



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

SAITO

Atty. Docket No. 024016-00020

Serial No.: 10/026,548

Examiner: Nhan T. Le

Filed: December 27, 2001

Art Unit: 2685

For: PLL FREQUENCY SYNTHESIZER

## **INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Date: September 16, 2004

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the information item(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each item(s) is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the item(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

 $\Box$ This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date, OR (b) before the mailing date of a first Office Action on the merits in the present application, OR (c) accompanies a Request for Continued Examination. No certification or fee is required.  $\boxtimes$ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance. 冈 I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1). П I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR

§1.56(c) more than three months prior to the filing of this Information

Disclosure Statement. 37 CFR §1.97(e)(2).

	c. A check in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p). Please charge any fee deficiency or credit any overpayment to Deposit Account No. 01-2300 as needed to ensure consideration of the disclosed information.				
Allowa the Inf amour charge	This Information Disclosure Statement is being filed more than three months or the U.S. filing date and after the mailing date of a Final Rejection or Notice of the Dwance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that Information Disclosure Statement be considered. Attached is our check in the count of \$180.00 in payment of the petition fee under 37 CFR §1.17(i)(1). Please arge any fee deficiency or credit any overpayment to Deposit Account No. 01-230 needed to ensure consideration of the disclosed information.				
	a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).				
	b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).				
4. Englis inform	The reference(s) was/were cited in a counterpart foreign application. An h language version of the foreign search report is attached for the Examiner's ation.				
	Respectfully submitted,  Charles M. Marmetstein				

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CMM/rkc

Enclosure(s): Form PTO-1449, copy of European Search Report & 5 refs.

**FORM PTO-1449** 

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. SERIAL NO. 024016-00020 10/026,548

LIST OF REFERENCES CITED BY APPLICANT

SAITO

APPLICANT .

(Use several sheets if necessary)

FILING DATE GROUP
December 27, 2001 2685

## **U.S. PATENT DOCUMENTS**

EXAMINER'S INITIALS		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	5,389,899	2/14/1995	Yahagi et al			
	AB	5,909,149	6/1/1999	Bath et al			
	AC	5,847,614	12/8/1998	Gilbert et al			
	AD						
	AE						
	AF						

## **FOREIGN PATENT DOCUMENTS**

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	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	ANSLAT NO F	
AG	EP 1 047 196 A	10/25/2000	Europe				
АН							
AI							
AJ							
AK							
AL							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

АМ	PATENT ABSTRACT OF JAPAN, vol. 0175, no. 99, 2 November 1993 & JP 5 183432 A, 23 July 1993
AN	
AO	

EXAMINER		DATE CONSIDERED				
*EXAMINER:	Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					